



Recombinant Human TATA box-binding protein-like protein 1 (TBPL1)

Product Code	CSB-EP023240HU-B
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P62380
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	>85% (SDS-PAGE)
Sequence	MDADSDVALD ILITNVVCFV RTRCHLNLRK IALEGANVIY KRDTVGVLMK LRKPRITATI WSSGKIIC TG ATSEEEAKFG ARRLARSLQK LGFQVIFTDF KVVNVLAVCN MPFEIRLPEF TKNNRPHASY EPELHPAVCY RIKSLRATLQ IFSTGSITVT GPNVKAVATA VEQIYPFVFE SRKEIL
Source	E.coli
Target Names	TBPL1
Protein Names	Recommended name: TATA box-binding protein-like protein 1 Short name= TBP-like protein 1 Alternative name(s): 21 kDa TBP-like protein Second TBP of unique DNA protein Short name= STUD TATA box-binding protein-related factor 2
Expression Region	1-186
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	Full length protein
Target Details	Initiation of transcription by RNA polymerase II requires the activities of more than 70 polypeptides. The protein that coordinates these activities is transcription factor IID (TFIID), which binds to the core promoter to position the polymerase properly, serves as the scaffold for assembly of the remainder of the transcription complex, and acts as a channel for regulatory signals. TFIID is composed of the TATA-binding protein (TBP) and a group of evolutionarily conserved proteins known as TBP-associated factors or TAFs. TAFs may participate in basal transcription, serve as coactivators, function in promoter recognition or modify general transcription factors (GTFs) to facilitate complex assembly and transcription initiation. This gene encodes a protein that serves the same function as TBP and substitutes for TBP at some promoters that are not recognized by TFIID. It is essential for spermiogenesis and believed to be important in expression of developmentally regulated genes.
Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final



concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

Shelf Life

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.

Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.